

## U.S. Department of Energy

(08/05)

## WEATHERIZATION ANNUAL FILE WORKSHEET

Expiration Date: 6-30-08

Grant: EE00161

Amendment: 000

State: NH

Program year: 2009

Budget period: 04/01/2009 - 03/31/2012

## II.3 Subgrantees

Grantee	City	Tentative	
		Funding	Units
Comm. Action Pgm Belknap-Merrimack Counties, Inc.	Concord	3,661,355.00	442
Rockingham Community Action	Portsmouth	2,660,850.00	340
Southern New Hampshire Services Inc.	Manchester	5,390,392.00	689
Southwestern Community Services Inc.	Keene	2,601,788.00	332
Strafford County Community Action Committee, Inc.	Dover	2,282,440.00	291
Tri-County Community Action Program, Inc.	Berlin	4,008,896.00	512
<b>TOTALS</b>		20,605,721.00	2,606

## II.4 WAP Production Schedule

<b>Total Units (excluding reweatherized)</b>	<b>2,606</b>
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Units by type (excluding reweatherized):	
Owner-occupied single-family site-built	
Single-family rental site-built	
Multi-family	
Owner-occupied mobile home	
Renter-occupied mobile home	
Shelter	
Units by occupancy:	
Elderly	
Persons with disabilities	
Native American	
Children	
High residential energy user	
Household with a high energy burden	
Other unit types:	
<b>Rewatherized Units</b>	<b>0</b>
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<b>Average Unit Costs, including Reweathering, Subject to DOE Program Rules</b>		
<b>VEHICLES &amp; EQUIPMENT AVERAGE COST PER DWELLING UNIT (DOE RULES)</b>		
A	Total Vehicles & Equipment (\$5,000 or more) Budget	\$224,100.00
B	Total Units Weatherized	2,606
C	Total Units Reweatherized	0
D	Total Dwelling Units to be Weatherized and Reweatherized (B + C)	2,606
E	Average Vehicle & Equipment Acquisition Cost per Unit (A divided by D)	\$85.99
<b>AVERAGE COST PER DWELLING UNIT (DOE RULES)</b>		
F	Total Funds for Program Operations	\$16,573,481.00
G	Total Dwelling Units to be Weatherized and Reweatherized (from line D)	2,606
H	Average Program Operations Cost per Unit (F divided by G)	\$6,359.74
I	Average Vehicle & Equipment Acquisition Cost per Unit (from line E)	\$85.99
J	Total Average Cost per Dwelling (H plus I)	\$6,445.73

**II.5 Energy Savings**

Method used to calculate energy savings: WAP algorithm ☒ Other (describe below) ☐

The method used to estimate energy savings is the DOE WAP algorithm which uses results from national Weatherization Program evaluations to estimate energy savings per home. This method estimates 31.74 MBTU for total annual energy savings for each weatherized home.

Variance in last year's numbers are due to collaboration efforts between DOE-funded Weatherization and utility-based weatherization programs. At the time of application, these efforts resulted in an additional 196 low-income homes weatherized, over and above the 402 planned .

Estimated energy savings: 82,714 (MBtu)

Estimated prior year savings: Actual: 23,837

If variance is large, explain:

**II.6 Training, Technical Assistance, and Monitoring Activities**

The Training and Technical Assistance (T&TA) activities planned for the three year grant period utilizing ARRA funds are identified by OEP's evaluation of prior program year monitoring activities, OEP's response to energy auditors' requests for particular technical trainings/workshops, and observations and recommendations from the One-On-One On-Site trainings. The T&TA activities for the three year grant period include but are not limited to the following:

Training:

1. OEP intends to partner with the NH Housing Finance Authority who administers the HUD Lead Based Paint Hazard Control Program to organize and support EPA RRP training. Weatherization contractor/crew supervisors will be required to attend the EPA RRP trainings. Weatherization contractor/crew installers will be strongly encouraged to attend the EPA RRP training.
2. OEP will provide Lead Safe Weatherization training to Weatherization contractor/crew installers who do not attend the EPA RRP trainings.
3. OEP will provide, at a minimum, annual "Energy Auditor I" trainings for individuals seeking to become energy auditors. The trainings will consist of one week of classroom education.

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4. OEP will provide, at a minimum, annual "Energy Auditor I" field training. The field trainings will be offered to individuals new to the Weatherization program and who have completed a classroom training.
  5. OEP will organize and support training for Weatherization contractors/crews to achieve industry certification for the proper installation of cellulose insulation and equipment maintenance.
  6. OEP will provide infrared thermal imaging training for participants in the Weatherization program on an annual basis as necessary.
  7. OEP will provide, at a minimum, heating systems and combustion training for energy auditors in the Weatherization program. The trainings will consist of a week long classroom and lab training.
  8. Through a collaborative effort with other state agencies and local community networks, OEP will sponsor energy auditors to attend Healthy Homes trainings and Healthy Homes Practitioner certifications.
  9. OEP intends to work with subgrantees to encourage weatherization training for workers new to the field. Sub-grantees will be encouraged to hire contractors who are committed to providing on-the-job training.
  10. OEP will provide information to all subgrantees about additional training opportunities regionally and nationally that may be valuable to energy auditors and other weatherization program staff.
  11. OEP staff will attend, at a minimum, a national conference and a regional conference relative to Weatherization each year.
  12. OEP will consider providing scholarships to Weatherization contractors to register for national and regional training conferences.
  13. OEP will provide OSHA training to weatherization contractor/crews as necessary.

## Technical Assistance:

1. OEP will host four Subgrantee Energy Auditor / Technical Staff Meetings per year.
2. Subgrantee Wxn Directors meetings will occur via monthly teleconferences. One face-to-face meeting of this group may occur during the program year.
3. OEP will revise and update the Weatherization Administrative Manual and Weatherization Standards.
4. OEP will seek to improve an existing client tracking system or implement a new client tracking system.
5. OEP will seek to develop a training video for weatherization installers.
6. OEP will develop a working relationship with the NH community college network to provide ongoing, future training for energy auditors and weatherization installers.
7. OEP will consider a pilot project for solar thermal installations on Weatherization projects.

## Client Education:

1. OEP will seek to develop an educational video for Weatherization clients describing the Weatherization process and behavioral changes they can make to conserve energy.
2. OEP will seek to develop an educational video for homeowners interested in installing weatherization measures themselves.

## Monitoring activities:

1. The OEP Weatherization Technical Manager will review 'work-in-progress' sites whenever feasible. These visits will be used as training opportunities.
2. Technical, on-site monitoring will take place at a minimum of 10% of the jobs completed. File reviews will be done as part of the on-site review process.
3. Blower door evaluations will be used to monitor effectiveness of energy auditor's work specifications and contractor and crew installations on weatherized units. The OEP Weatherization Technical Manager will, at a minimum, conduct blower door evaluations on five percent (5%) of all completed units.
4. An infra-red camera will also be used during monitoring activities to assess the effectiveness of air sealing and insulation measures.
5. The Weatherization Program Manager will conduct subgrantee program and fiscal monitoring at least once per program year.
6. OEP recognizes that client feedback is an integral component of monitoring and will therefore seek client feedback in the form of a client survey. The survey will be mailed to clients after the completion of the Weatherization services.
7. OEP will seek to have an independent third party conduct a program evaluation of the Weatherization program performance.

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DOE does not fund leveraging activities in the NH Weatherization program. The NH Weatherization program has, however, been very successful in collaborating with the utility (electric and natural gas) low-income efficiency programs, municipal grants and HUD programs to combine funds to provide additional resources to the Weatherization clients. By working with these partners, the Weatherization program consistently exceeds production goals and maintains the DOE mandated average expenditure per home. OEP recognizes the importance of these successful partnerships and will seek to maintain them throughout the three year grant period.

**II.8 Policy Advisory Council Members (names, groups, agencies)**

Alan Linder, Esquire	
Keith Freischlag	
Gil Gelineau	
Dana Nute	
Meredith Hatfield	
Diana Duffy	

**II.9 State Plan Hearings (send notes, minutes, or transcript to the DOE office)**

Hearing Date
05/07/2009

Newspapers that publicized the hearings and the dates that the notice ran.

Union Leader - April 27, 2009

**II.10 Adjustments to On-File Information****II.11 Miscellaneous**

1. Weatherization Allocation Formula: OEP will continue to use the funding allocation formula for subgrantees that was implemented in PY99. This formula is based on the number of certified Fuel Assistance Program applications, poverty demographic information as provided by the 2000 US Census and heating degree day information by county based on the current 30 year climate norms from the national weather service.
2. As of PY 2008, all subgrantees had pollution occurrence insurance. All subgrantees have been informed that POI is not required. OEP has also advised the subgrantees of DOE's position and recommendation.
3. The Low-Income Weatherization Energy Assistance Working Group of the NH Public Utilities Commission will continue to act as the Policy Advisory Council for the NH Weatherization Program. This group meets quarterly per order of the NH PUC. OEP continues to receive input from this group in meetings that address issues of concern for both DOE Weatherization and utility (electric and gas) LI CORE programs. Members of this group, via email, were invited to attend the public hearing or submit testimony on the NH Wx State Plan; many attended and testified in favor of the plan. None of the members opposed the plan.
4. OEP is a member of the State's emergency response team, which utilizes a State Energy Emergency Response Plan (SEERP). DOE Weatherization funds are not used for either the maintenance of the SEERP (written and maintained by OEP) or to actually respond to energy crises.
5. Minutes from Public Hearing 5/07/09:

**public hearing****nh weatherization program's annual plan****Thursday, May 7, 2009****1:00 - 3:00 PM****Office of Energy and Planning**

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**4 Chenell Drive, Concord, NH**

**MINUTES**